

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P479679

Luminaire Tested: **IFLD-S-SA3C-735-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479679  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3C-735-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (48) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

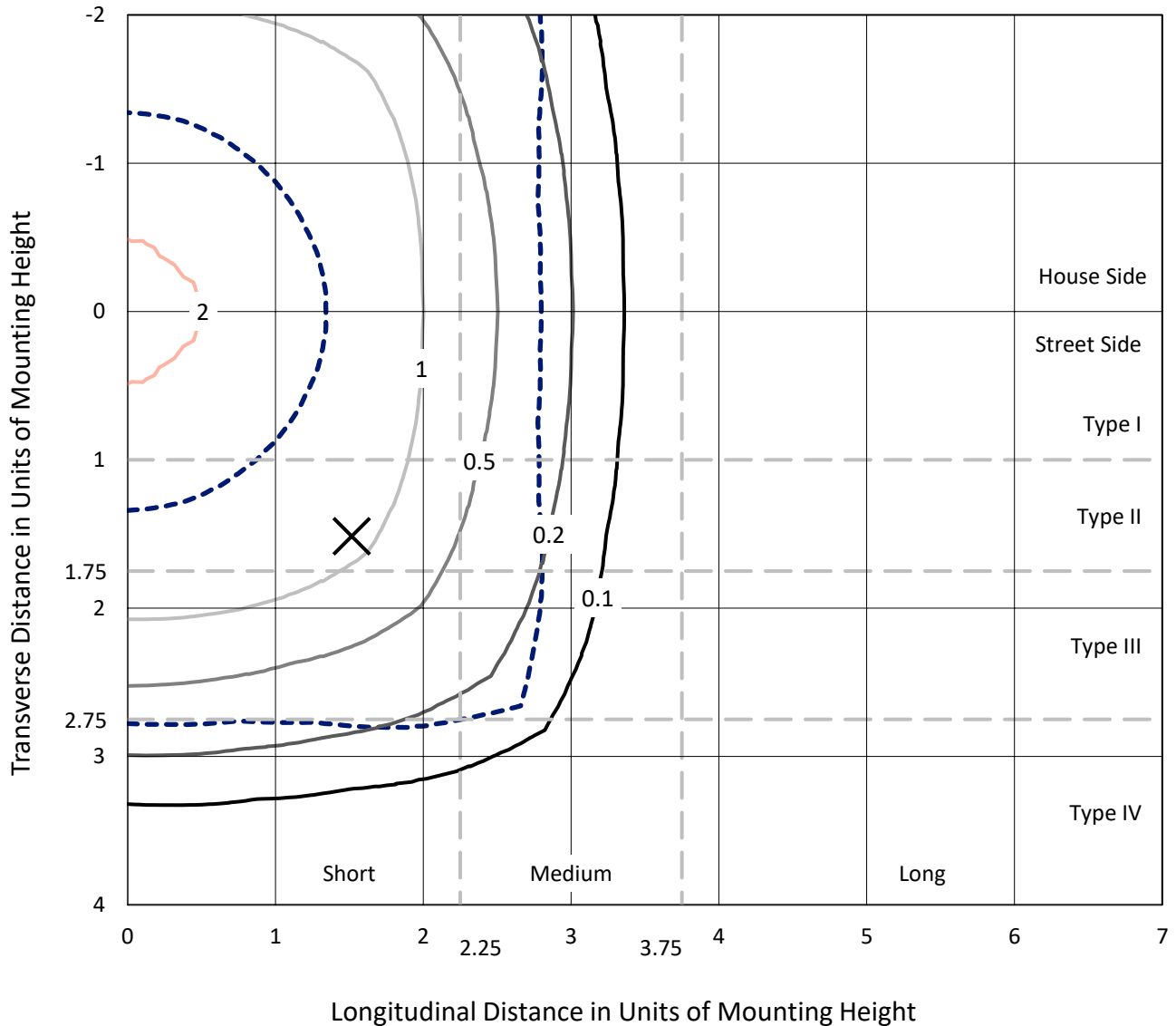
Lumens per Lamp: N/A  
Luminaire Lumens: 21439 lumens  
Efficiency: N/A  
Efficacy: 133.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

Input Watts (W): 160.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Iso-Footcandle Lines of Horizontal Illumination

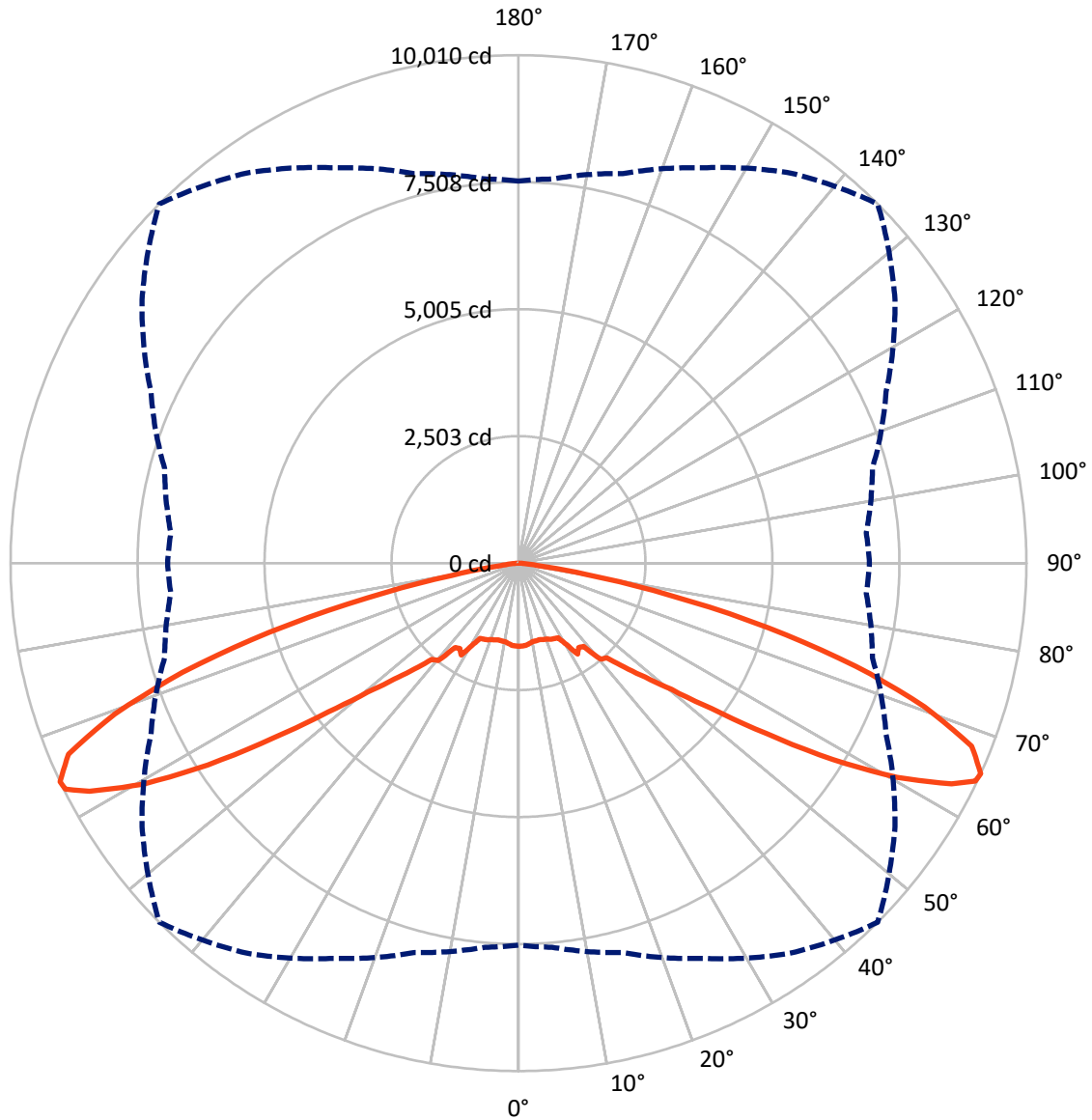
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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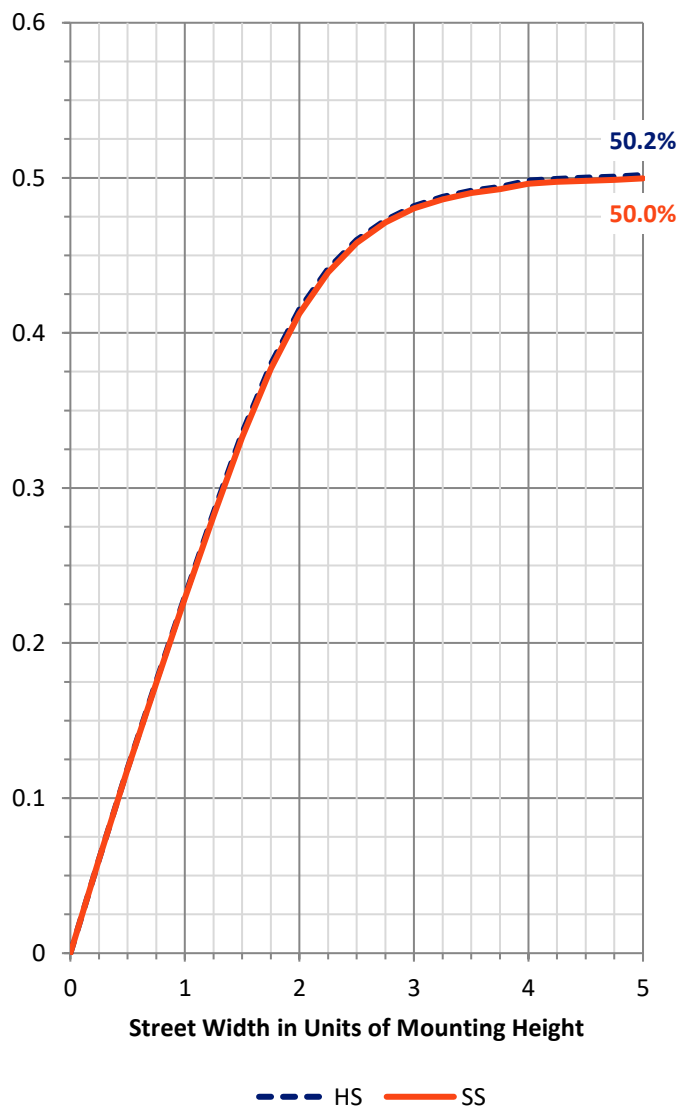
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10719.5	0.0	10719.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10719.5	0.0	10719.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21439.0	0.0	21439.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.8	0.7
10°-20°	451.8	2.1
20°-30°	782.1	3.6
30°-40°	1300.5	6.1
40°-50°	2346.3	10.9
50°-60°	5226.8	24.4
60°-70°	7789.6	36.3
70°-80°	3228.1	15.1
80°-90°	159.9	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	21439.0	100.0
0°-180°	21439.0	100.0

**Coefficient of Utilization**



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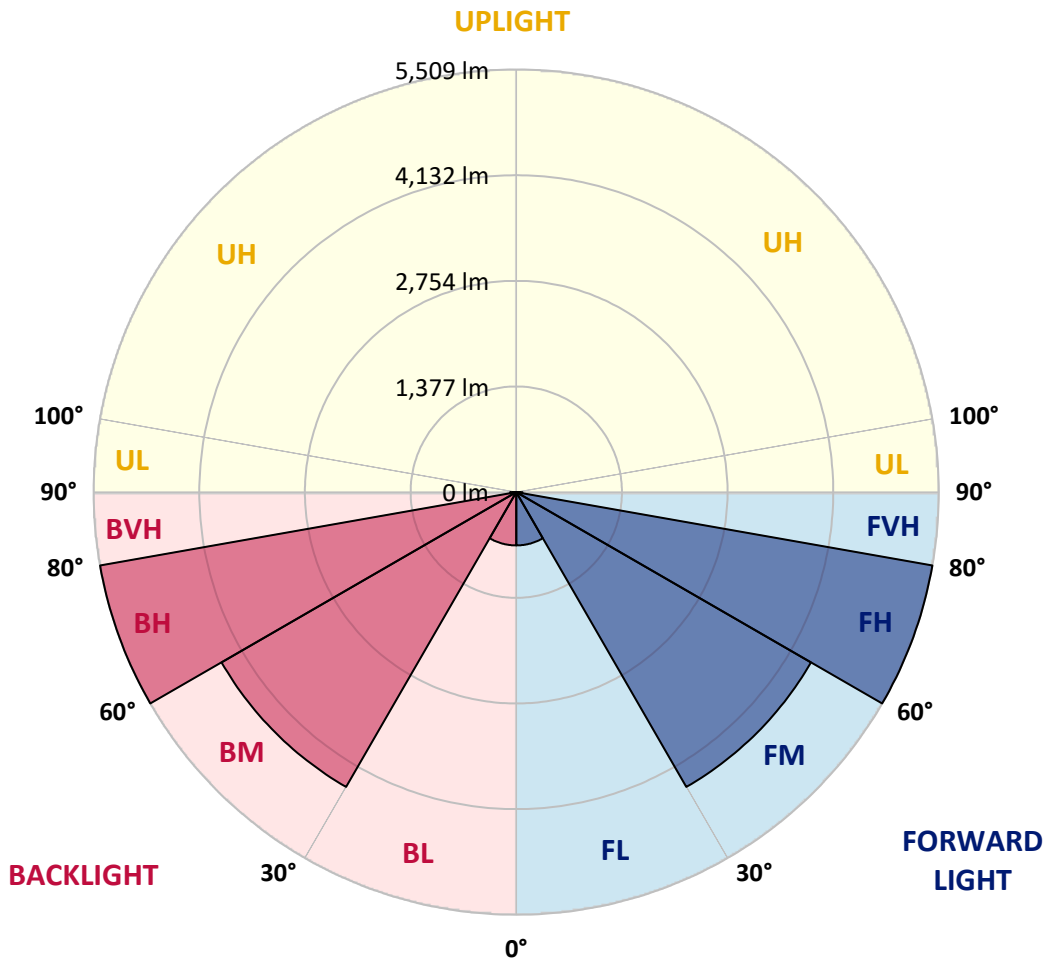
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	693.9	3.2			
FM (30°-60°)	4436.8	20.7			
FH (60°-80°)	5508.8	25.7			G3/7500
FVH (80°-90°)	79.9	0.4			G1/100
BL (0°-30°)	693.9	3.2	B2/1000		
BM (30°-60°)	4436.8	20.7	B3/5000		
BH (60°-80°)	5508.8	25.7	B5		G3/7500
BVH (80°-90°)	79.9	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1639.1	1639.1	1639.1	1639.1	1639.1	1639.1	1639.1	1639.1	1639.1	1639.1	1639.1
2.5°	1620.2	1624.9	1622.6	1622.6	1629.7	1634.4	1636.8	1660.5	1651.0	1658.1	1651.0
5°	1624.9	1624.9	1629.7	1624.9	1629.7	1624.9	1629.7	1622.6	1629.7	1634.4	1641.5
7.5°	1615.5	1610.7	1603.6	1603.6	1601.2	1596.5	1589.4	1608.3	1598.9	1606.0	1617.8
10°	1617.8	1610.7	1587.0	1591.8	1570.4	1570.4	1575.2	1575.2	1596.5	1620.2	1627.3
12.5°	1617.8	1603.6	1596.5	1565.7	1565.7	1568.1	1579.9	1584.7	1598.9	1608.3	1632.0
15°	1617.8	1610.7	1598.9	1558.6	1568.1	1563.3	1575.2	1575.2	1606.0	1622.6	1634.4
17.5°	1627.3	1632.0	1610.7	1572.8	1575.2	1584.7	1577.6	1584.7	1622.6	1634.4	1651.0
20°	1629.7	1610.7	1603.6	1579.9	1601.2	1596.5	1594.1	1608.3	1620.2	1641.5	1660.5
22.5°	1624.9	1632.0	1603.6	1601.2	1620.2	1629.7	1634.4	1617.8	1632.0	1646.2	1662.8
25°	1665.2	1639.1	1632.0	1627.3	1636.8	1646.2	1641.5	1655.7	1655.7	1672.3	1693.6
27.5°	1774.2	1776.5	1762.3	1705.5	1686.5	1665.2	1674.7	1712.6	1757.6	1793.1	1800.2
30°	1823.9	1833.4	1871.3	1861.8	1854.7	1861.8	1859.4	1868.9	1873.6	1876.0	1868.9
32.5°	1868.9	1864.2	1847.6	1890.2	2030.0	2136.6	2034.7	1895.0	1864.2	1854.7	1864.2
35°	2032.3	2032.3	1996.8	1942.3	2015.8	2041.8	1994.4	1928.1	1966.0	2044.2	2048.9
37.5°	2243.2	2212.4	2226.6	2219.5	2138.9	2082.1	2165.0	2207.6	2214.7	2212.4	2236.1
40°	2368.7	2347.4	2326.1	2364.0	2437.4	2489.5	2416.1	2314.2	2340.3	2392.4	2371.1
42.5°	2655.3	2600.8	2605.6	2567.7	2565.3	2548.7	2532.1	2539.2	2577.1	2636.4	2645.8
45°	2949.0	2975.1	2958.5	2887.4	2920.6	2920.6	2873.2	2908.8	2927.7	2996.4	3005.9
47.5°	3408.6	3396.7	3403.8	3339.9	3337.5	3354.1	3337.5	3339.9	3399.1	3394.3	3368.3
50°	3946.3	3979.4	3988.9	3958.1	3920.2	3913.1	3887.0	3920.2	3955.7	3958.1	3936.8
52.5°	4690.0	4725.6	4725.6	4735.0	4782.4	4758.7	4754.0	4756.3	4687.7	4640.3	4664.0
55°	5628.0	5639.9	5680.1	5763.0	5907.5	5926.5	5836.5	5796.2	5670.7	5594.9	5654.1
57.5°	6554.2	6601.6	6712.9	6928.4	7106.1	7300.3	7039.8	6774.5	6528.1	6407.3	6428.6
60°	7324.0	7392.7	7605.9	7906.7	8399.4	8577.1	8136.5	7681.7	7181.9	6812.4	6961.6
62.5°	7686.4	7793.0	7973.0	8581.8	9320.8	9576.7	8930.0	8103.3	7345.3	6990.0	6982.9
64°	7688.8	7705.4	8065.4	8721.5	9481.9	9977.0	9121.9	8103.3	7385.6	6947.4	7027.9
65°	7530.1	7598.8	7947.0	8593.6	9380.0	10010.1	9055.5	7992.0	7219.8	6878.7	6916.6
67.5°	6810.0	6807.6	7129.8	7771.7	8863.7	9633.5	8491.8	7369.0	6810.0	6440.5	6485.5
70°	5166.1	5249.0	5557.0	6345.7	7669.8	8494.2	7425.9	6262.8	5566.4	5270.4	5253.8
72.5°	3091.2	3200.1	3593.3	4555.0	5957.3	6959.2	5893.3	4633.2	3794.7	3325.7	3337.5
75°	1409.4	1489.9	1759.9	2544.0	3969.9	5088.0	3993.6	2679.0	1921.0	1622.6	1579.9
77.5°	395.6	445.3	594.5	1167.8	2179.2	3050.9	2240.8	1290.9	838.5	696.4	682.2
80°	177.7	187.1	210.8	284.2	691.7	1345.4	926.2	473.7	315.0	260.6	248.7
82.5°	97.1	104.2	137.4	146.9	196.6	357.7	305.6	222.7	189.5	151.6	146.9
85°	54.5	56.8	78.2	78.2	94.7	104.2	111.3	118.4	116.1	85.3	82.9
87.5°	16.6	18.9	23.7	23.7	23.7	23.7	37.9	52.1	56.8	40.3	40.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)